

## NOTA / NOTE

# *Heegeria tangirica* (Saunders, 1877) (Hemiptera: Alydidae), new species for Portugal.

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**Abstract:** *Heegeria tangirica* (Saunders, 1877) (Hemiptera: Alydidae) is recorded from mainland Portugal for the first time. The world and the Iberian distribution of the species is summarized and a map synthesizing the knowledge about the distribution of the species in the Iberian Peninsula is included.

**Key words:** Hemiptera, Alydidae, *Heegeria tangirica*, Iberian Peninsula, first record, Portugal.

**Resumen:** *Heegeria tangirica* (Saunders, 1877) (Hemiptera: Alydidae), nueva especie para Portugal. Se cita *Heegeria tangirica* (Saunders, 1877) (Hemiptera: Alydidae) de Portugal continental por primera vez. Se resume la distribución mundial e ibérica de la especie y se incluye un mapa que sintetiza el conocimiento sobre la distribución de la especie en la Península Ibérica.

**Palabras clave:** Hemiptera, Alydidae, *Heegeria tangirica*, Península Ibérica, primera cita, Portugal.

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*Heegeria tangirica* (Saunders, 1877) (Hemiptera: Alydidae) is a broad-headed bug described as *Alydus tangiricus* from Tangiers (Morocco) by SAUNDERS (1877).

The known distribution of this species includes southern Europe [Greece (Crete), Italy, Malta, and Spain], Asia (Iran, Israel, Oman, Pakistan, Turkey, and Yemen), and Africa (Egypt, Morocco, and numerous sub-Saharan countries) (MOULET, 1995; DOLLING, 2006; CARAPEZZA & MIFSUD, 2015; ÇERÇİ & KOÇAK, 2017; UEDA, 2020).

In Spain, *H. tangirica* was first recorded from Almería, Cádiz, Córdoba, Huelva, Jaén, and Málaga by MOULET (1995), and from Murcia by VIVAS & BURGERS (2015).

Here we record *H. tangirica* from Portugal for the first time, based on a specimen photographed by Tiago Carrapiço and Sérgio Reis (Fig. 1) on 28 October 2020 near Corroios train station (Setúbal district, Seixal municipality, 29SMC8676, 15 m above sea level).



Fig. 1.- Specimen of *Heegeria tangirica* (Saunders, 1877) observed on 28 October 2020 in Corroios (Seixal), Portugal.

Since that observation, which was uploaded to the online platform *BioDiversity4All* (<https://www.biodiversity4all.org/observations/63725845>), a second photographic record, obtained on 14 November 2020 in Terrim (Setúbal district, Palmela municipality, 29SNC0574, 41 m above sea level), was uploaded to the same platform by Tiago Pereira (<https://www.biodiversity4all.org/observations/64855701>). Map 1 shows the currently known Iberian distribution of *H. tangirica*, including the two Portuguese records mentioned.

## References

CARAPEZZA, A. & MIFSUD, D. 2015. New records of true bugs (Hemiptera, Heteroptera) from the Maltese Islands. *Bulletin of the Entomological Society of Malta*, **7**: 27-50.

ÇERÇİ, B. & KOÇAK, Ö. 2017. Six new Heteroptera (Hemiptera) species for the fauna of Turkey with a new synonymy. *Munis Entomology & Zoology*, **12**(2): 532-538.

DOLLING, W.R. 2006. Family ALYDIDAE Amyot & Serville, 1843, pp. 28-42. In: AUKEMA, B. & RIEGER, C. (eds.). *Catalogue of the Heteroptera of the Palaearctic Region. Volume 5. Pentatomomorpha II*. The Netherlands Entomological Society, Amsterdam. 550 pp.

MOULET, P. 1995. *Hémiptères Coreoidea (Coreoidea, Rhopalidae, Alydidae), Pyrrhocoridae et Stenocephalidae Euro-Méditerranéens*. Faune de France: France et régions limitrophes, **81**. Fédération Française des Sociétés de Sciences Naturelles, Paris. 336 pp.

SAUNDERS, E. 1877. Descriptions of a new genus and three new species of European Hemiptera. *Entomologist's Monthly Magazine*, **XIV**: 103-104.

UEDA, K. 2020. iNaturalist Research-grade Observations. iNaturalist.org. Occurrence dataset <https://doi.org/10.15468/dl.juukun> accessed via GBIF.org on 2020-11-16. <https://www.gbif.org/pt/species/4391838>

VIVAS, L. & BURGERS, A. 2015. Las especies españolas de Alydidae y nuevos datos sobre *Heegeria tangirica* (Saunders, 1877) en la Península Ibérica (Hemiptera: Heteroptera: Coreoidea: Alydidae). *BV news Publicaciones Científicas*, **4**(54): 64-82.

**Map 1.-** Iberian distribution of *Heegeria tangirica* (Saunders, 1877), with the previously known Spanish provinces (in grey), the new Portuguese district (in cyan) and the MGRS 10x10 km squares of the two 2020 observation sites in Portugal (October site in orange, November site in blue).

